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Borough and Port Health Authority

of

FLEETWOOD

ANNUAL REPORT

1966

of

J. E. MORRIS, B.Sc., M.B., B.C.H., D.C.H., D.P.H., D.I.H.
Medical Officer of Health

and

DAVID R. McCULLOCH, M.A.P.H.I.
Chief Public Health Inspector and Cleansing Superintendent

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FLEETWOOD CORPORATION

HEALTH COMMITTEE

1966

CHAIRMAN:

Alderman W. Minns, J.P.

VICE-CHAIRMAN:

Councillor E.H. Funk

ALDERMEN:

H.A. Baker
Mrs. M.E. Rowntree
J.S. Shaw, J.P.
T. Smith
W.J. Wheeler, J.P.

COUNCILLORS:

F. Anderton
H.W. Ansell
T.N. Bond
H. Chippendale
H. Formstone, J.P.
A. Greenwood
Mrs. E.M. Hope
T. Irvin
T.J. Keating
E.T. Locke
J. Longrigg
R. Lyon
W. Potts
J. Ratcliffe
B. Robinson
E. Williamson
R.A. Wright

TOWN CLERK:

J.R. Barnes

PUBLIC HEALTH DEPARTMENT STAFF

MEDICAL OFFICER OF HEALTH and PORT MEDICAL OFFICER:

J.E. MORRIS, B.Sc.,M.B.,B.C.H.,D.C.H.,D.P.H.,D.I.H.

DEPUTY MEDICAL OFFICER OF HEALTH and

DEPUTY PORT MEDICAL OFFICER:

E.A.R. BERKLEY, T.D.,M.R.C.S.,L.R.C.P.

CHIEF PUBLIC HEALTH INSPECTOR (BOROUGH AND PORT) and

CLEANSING SUPERINTENDENT:

D.R. McCULLOCH, M.A.P.H.I. (abcdf)

PUBLIC HEALTH INSPECTORS:

E. Whitehead, F.R.S.H. (def)
H. Farrer, Cert.S.J.B. (ba)
J. Mitchell, M.R.S.H. (a)

STUDENT INSPECTORS:

M. McConnell
M. Siddall

CLERKS:

F. Swarbrick
Miss E. Barker

GENERAL FOREMAN:

W. Inker

a Also holds the Royal Society of Health's Certificate as a Meat and Food Inspector.

b Also holds the Royal Society of Health's Certificate as a Smoke Inspector.

c Also appointed Inspectors under the Imported Food Regulations.

d Also appointed Shops' Inspector and Explosives' Officer.

e Also appointed Assistant Cleansing Superintendent.

f Also appointed under the Offices, Shops and Railway Premises Act, 1963.

Public Health Office,

September, 1967. Copse Road, FLEETWOOD.

To His Worship the Mayor, Aldermen and Councillors of the Borough of Fleetwood.

Ladies and Gentlemen,

I have pleasure in presenting the Annual Report on the health of the Borough for the year 1966 combined with that of the Chief Public Health Inspector.

The health of the Borough remained satisfactory during 1966 and there were no major outbreaks of infectious illness. The vital statistics for the area during 1966 present a satisfactory picture. The leading causes of death were again malignant illnesses, heart disease and cerebro vascular disorders, this is in keeping with the national pattern.

My thanks are again due to my colleagues in the Health Department for their loyalty and assistance. I would also wish to express my appreciation to the Chairman and members of the Health Committee for the encouragement and support afforded to me.

J.E. MORRIS,

Medical Officer of Health.

STATISTICAL SUMMARY

General Statistics

Area (Acres) Land	2,636
Foreshore and Sea	3,644
Population (R.G. Estimate, June, 1966)...	28,520
Number of Inhabited Houses (per Rate Books)	8,915
Number of Families or Separate Occupiers (1961) ...	8,534
Rateable Value...	£909,453
Sum Represented by a Penny Rate	£3,600
Total Rates	12/4

Extracts from Vital Statistics for the Year

	Total	Male	Female
Live Births - Legitimate	414	197	217
Illegitimate... ...	35	15	20
Stillbirths	3	2	1
Deaths	366	185	181

Crude Death Rate	12.8
Adjusted Death Rate	13.2
Respiratory T.B.	0.04
Malignant Neoplasms, etc.	2.31
Crude Birth Rate	15.7
Adjusted Birth Rate	16.5
Stillbirth Rate per 1,000 Total Births...	6.6
Maternal Mortality Rate per 1,000 total births ...	Nil
Infant Mortality Rate per 1,000 live births	26.7
Neo-natal Mortality Rate per 1,000 live births ...	17.8
Early Neo-natal Mortality Rate per 1,000 live births	17.8
Perinatal Mortality Rate per 1,000 total births ...	24.3

PHYSICAL FEATURES

Fleetwood is situated within the Fylde District. Lying at the mouth of the River Wyre, it is a seaport and market town. The area is bounded on the North by Morecambe Bay, on the west by the Irish Sea, on the east by the River Wyre, and on the south by the Urban District of Thornton Cleveleys.

Most of the land is low-lying; the subsoil varies from sand and gravel near the coast to heavy marl. The principal industry is Deep Sea Fishing, with its contingent industries: it is also a seaside resort of considerable importance.

The area of the Fleetwood Sanitary District is 6,280 statute acres. The Borough is divided into six wards, the area of which are set out below:-

	Acres
Pharos Ward	845
Mount Ward	75.5
Milton Ward	72.5
Warren Ward	115
Park Ward	688
Rossall Ward	840
Total	2,636
Foreshore and Sea Area ...	3,644
	6,280

GENERAL PROVISION OF HEALTH SERVICES

Bacteriological Examinations

Facilities for the examination of specimens, by the Public Health Laboratory Service, Preston and Pathological Department, Blackpool Victoria Hospital are available for all medical practitioners in the district without charge.

MIDWIVES

There are four midwives in the district under the control of the Lancashire County Council.

CLINIC AND TREATMENT CENTRES

There are no clinics or treatment centres uder the direct control of this Authority.

The Child Welfare and Ante-Natal Clinics are both under the control of the Lancashire County Council and are situated in Ribble Road and Grange Road (Child Welfare Only).

The venereal disease treatment centres are at Preston Royal Infirmary and Blackpool Special Treatment Clinic.

Fleetwood Chest Clinic, Fleetwood Hospital. Session each Thursday afternoon.

HOSPITALS

Fleetwood hospital, contains 28 beds and four cots, for cases of general sickness and accidents, but being administered by the Blackpool and Fylde Hospital Management Committee patients can be and are sent or transferred to any suitable Hospital within the district.

For infectious diseases there is the Devonshire Road Hospital, Blackpool.

Milton Lodge Maternity Home, of 11 beds is fully occupied and provides an important service.

Rossall Hospital with 130 beds and Wesham Park Hospital with 276 beds, are available for the chronic sick of all ages, and there are also 44 psychiatric beds available at Wesham Park Hospital.

AMBULANCE FACILITIES

For both infectious and non-infectious cases the Lancashire County Council keep available within the district two motor ambulances and one car for sitting cases.

THE EDUCATION (ADMINISTRATION PROVISIONS) ACT, 1907

Under this Act the County Council is the responsible Authority, and their Medical Officers make the examination of the children attending the Council Schools.

NATIONAL ASSISTANCE ACT, 1948, SEC. 47

No action was necessary during the year under the above Act.

POPULATION

The resident population of Fleetwood to June 1966, is estimated to be 28,520, an increase of 834 over the 1961 Census figures. The increase during the year of births over deaths was 83.

BIRTHS

Boys - 212 Girls - 237 Total 449

The number of births registered in the district was 236, but, allowing for inward and outward transfers, the corrected number is 449.

This gives a birth-rate of 16.5 per 1,000 of the population, compared with 18.6 for the previous year.

The birth rate per 1,000 of the population for the whole of England and Wales for 1966 was 17.7.

ILLEGITIMATE BIRTHS AND DEATHS

There were 35 illegitimate births, giving a percentage of 7.7 of the total births. In 1965 the number was 36 with a percentage of 7.1 of the total births.

The number of deaths of illegitimate children under one year was one.

INFANT MORTALITY FOR THE PAST FIVE YEARS

Year	Under 1 week	1-2 wks.	2-3 wks.	3-4 wks.	Total under 1 month	1-3 mos.	3-6 mos.	6-9 mos.	9-12 mos.	Total under 1 year	Death-rate per 1,000		
											Fleet-wood	Engl'd and Wales	Lancs. County
1962	11	1	-	-	12	4	-	1	-	17	32.0	21.4	24.0
1963	6	1	3	-	10	1	2	1	2	16	30.5	20.9	23.3
1964	9	1	2	1	13	4	1	1	-	19	35.6	20.0	21.4
1965	4	-	-	-	4	3	2	-	-	9	17.8	19.0	19.8
1966	8	-	-	-	8	3	-	1	-	12	26.7	17.7	--

The mean infantile death-rate for the district for the five years 1962 to 1966 being 28.5 per 1,000 births, compared with the:-

County 22.5, England and Wales 19.8.

INFANT MORTALITY DURING THE YEAR 1966

Net Deaths from stated causes at Various Ages Under One Year of Age

Causes of Death	Under 1 week	1-2 weeks	2-3 weeks	3-4 weeks	Total under 1 month	1-3 months	3-6 months	6-9 months	9-12 months	Total deaths under 1 year
All Causes:										
Certified	8	-	-	-	8	2	-	4	-	11
Uncertified (including Inquests)	-	-	-	-	-	1	-	-	-	1
Bronchitis	-	-	-	-	-	-	-	-	-	-
Enteritis	-	-	-	-	-	-	-	-	-	-
Pneumonia	-	-	-	-	-	-	-	1	-	1
Prematurity	3	-	-	-	3	-	-	-	-	3
Diarrhoea	-	-	-	-	-	-	-	-	-	-
Marasmus	-	-	-	-	-	-	-	-	-	-
Tuberculosis	-	-	-	-	-	-	-	-	-	-
Other causes	5	-	-	-	5	3	-	-	-	8
Totals	8	-	-	-	8	3	-	1	-	12

Net births in the year:-	M.	F.	Total
Legitimate ...	197	217	414
Illegitimate ...	15	20	35
	212	237	449

Net deaths under one year:-	M.	F.	Total
Legitimate	9	2	11
Illegitimate	1	-	1
	10	2	12

DEATHS

Males - 185 Females - 181 Total 366

The number of deaths registered in the district was 459 but deducting 194 deaths of persons not usually resident in this district, and adding 101 deaths of residents which occurred in other districts, the corrected number is 366.

This gives a crude death-rate of 12.8 per 1,000 of the population compared with 12.8 in 1965. The adjusted death-rate being 13.2.

The death-rate of the deaths actually occurring in the district, viz., 459 was 16.0 per 1,000.

UNCERTIFIED DEATHS AND INQUESTS

During the year there were 42 deaths registered in which the cause of death was not certified by any medical practitioner. An inquest was held in 21 cases, and the verdicts given by the Coroner were as follows:-

Misadventure	4
Suicide	1
Accidental	10
Road Traffic Accidents ...	2
Natural Causes	4

DEATHS IN INSTITUTIONS

During the year, 281 persons died in the Rossall and Fleetwood Hospitals.

CAUSES OF DEATH DURING THE YEAR 1966

	Male	Female	Total
Tuberculosis Respiratory	-	1	1
" Other	-	-	-
Syphilic Disease	2	-	2
Whooping Cough	-	-	-
Acute Poliomyelitis	-	-	-
Meningococcal Infections	1	-	1
Other Infective and Parasitic Diseases	-	-	-
Malignant Neoplasm, Stomach... ...	6	7	13
" " Lung, Bronchus..	14	2	16
" " Breast	-	9	9
" " Uterus	-	3	3
Other Malignant and Lymphatic Neoplasms	12	12	24
Leukaemia and aleukaemia	-	1	1
Diabetes	1	2	3
Vascular Lesions of Nervous System..	25	30	55
Coronary disease, angina	41	30	71
Hypertension with heart disease ...	4	5	9
Other heart disease	26	30	56
Other circulatory diseases	10	10	20
Influenza	-	1	1
Pneumonia	3	4	7
Bronchitis	14	4	18
Other diseases of respiratory system	-	2	2
Ulcer of stomach and duodenum ...	-	-	-
Gastritis, enteritis and Diarrhoea..	-	-	-
Nephritis and Nephrosis	-	-	-
Hyperplasia of Prostate	1	-	1
Pregnancy, childbirth, abortion ...	-	-	-
Congenital malformations	1	3	4
Other defined and ill-defined diseases	17	19	36
Motor vehicle accidents	-	2	2
All other accidents	6	4	10
Suicide	1	-	1
Homicide	-	-	-
Totals	185	181	366

INFECTIOUS DISEASES

Deaths from the seven principal Zymotic Diseases

Smallpox	--
Measles	--
Scarlet fever	--
Whooping cough	--
Diphtheria	--
Enteric fever	--
Diarrhoea	--

Under the Public Health Act, 1936, 426 cases were notified. The following is a detailed list of the several diseases:-

CASES OF INFECTIOUS DISEASE NOTIFIED DURING THE YEAR 1966

Notifiable Disease	Total cases at all ages	Total cases notified — At ages - Years: Under 1	1 to 2	2 to 3	3 to 4	4 to 5	5 to 10	10 to 15	15 to 25	25 and over	Total cases removed to Hospital	Total deaths
Scarlet fever	1	-	-	-	1	-	-	-	-	-	-	-
Whooping Cough	2	1	-	-	1	-	-	-	-	-	-	-
Acute Poliomyelitis: Paralytic	-	-	-	-	-	-	-	-	-	-	-	-
" " Non-Paralytic	-	-	-	-	-	-	-	-	-	-	-	-
Measles	382	13	47	51	54	46	168	1	2	-	-	-
Diphtheria...	-	-	-	-	-	-	-	-	-	-	-	-
Dysentery	33	-	3	3	2	2	13	-	2	8	-	-
Meningococcal infection..	2	-	-	-	-	1	1	-	-	-	-	1
Ophthalmia Neonatorum ...	-	-	-	-	-	-	-	-	-	-	-	-
		Under 5	5 to 15	15 to 45	45 to 65	65 and over						
Acute Pneumonia ... ... (primary & influenzal)	-	-	-	-	-	-					-	7
Smallpox	-	-	-	-	-	-					-	-
Acute Encephalitis:infective	-	-	-	-	-	-					-	-
post infective	-	-	-	-	-	-					-	-
Enteric or Typhoid ...	-	-	-	-	-	-					-	-
Paratyphoid Fevers ...	-	-	-	-	-	-					-	-
Erysipelas	-	-	-	-	-	-					-	-
Food Poisoning	-	-	-	-	-	-					-	-
Tuberculosis: Respiratory	6	-	-	1	4	1					10	1
Meninges & Cns.	-	-	-	-	-	-					-	-
Other	-	-	-	-	-	-					-	-
Puerperal pyrexia	-	-	-	-	-	-					-	-
Other notifiable diseases	-	-	-	-	-	-					-	-
Totals ...	426										10	9

DIPHTHERIA AND SCARLET FEVER

It is pleasing to report that for the fifthteenth consecutive year there were no notified cases of diphtheria within the Borough and there was only 1 case of Scarlet Fever.

DYSENTERY

There were 33 cases in the year.

TUBERCULOSIS

The number of cases notified was 6 pulmonary and other tuberculosis nil.

The number of deaths from pulmonary tuberculosis was 1 and from other forms of tuberculosis nil, a total of 1 (1 female) giving a death-rate of 0.04 per 1,000.

Those from lung tubercle give a death-rate of 0.04 per 1,000.

The number of cases receiving sanatorium treatment during the year was 10.

The notification of tuberculosis is satisfactory.

RESPIRATORY ORGANS

The deaths numbered 27, giving a death-rate of 0.9 and include those from bronchitis (18) and pneumonia (7).

ORGANIC HEART DISEASE

One hundred and thirty six deaths, giving a death-rate of 4.8 per 1,000.

MALIGNANT DISEASE (CANCER)

There were 65 deaths from cancer (32 males, 33 females), giving a rate of 2.31 per 1,000.

INFECTIOUS DISEASES

Visits to the number of 77 were made to cases of infectious diseases during the year, no school notices or certificates were issued.

Disinfection has been carried out on request by spraying and fumigating the infected rooms with formalin and treating infected bedding and clothing by vapour gas at the Town's Depot. The vapour gas disinfector is also available for treating infected or verminous clothes, beds, etc., from the ships whilst in the docks.

During the year, 299 rooms and 88 articles were disinfected, 100 articles were destroyed.

To His Worship the Mayor, Aldermen and Councillors of the Borough of Fleetwood

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Ladies and Gentlemen,

I have pleasure in presenting my sixth Annual Report on the work carried out by the Health and Cleansing Department.

During 1966, the initial survey under the Offices, Shops and Railway Premises Act, 1963 was almost completed and, in addition, a survey of premises registered under the Factories Act, 1961 was completed. The work of compiling a new register of all food premises in the town was started with a detailed survey of food premises attached to the fishing port.

New developments in the town, in particular, the rapid expansion on the West side and the extension of Ockwell's caravan site by a further 500 caravans, continues to increase the work of the cleansing service. Fortunately, the Council's policy of replacing worn out refuse collection vehicles with modern continuous loading vehicles, coupled with the co-operative spirit shown by the cleansing staff and their willingness to adapt themselves to new ideas and conditions, have enabled this additional work to be absorbed by the Department.

There were no staff changes during the year and this meant that the Department was fully staffed. The two students employed by the Department were successful in passing the Intermediate examination of the Public Health Inspectors Education Board.

I would like to take this opportunity to express my appreciation to the Chairman and Members of the Health and Welfare Committee for support in the work undertaken during the year and, finally, to thank the staff of the Department for their loyal and willing co-operation.

D.R. McCULLOCH

Chief Public Health Inspector.

ENVIRONMENTAL HEALTH

SUMMARY OF VISITS AND INSPECTIONS FOR YEAR ENDING 31st DECEMBER, 1966

General Sanitation:

Accumulations	64
Camping on unauthorised sites	12
Complaints investigated	479
Defective drainage	548
Drain tests	8
Depositing of rubbish on land	3
Filthy premises	18
Premises infested with insects	1506
Rodent repression	106
Houses in multi-occupation	38
Interviews with owners, contractors etc. ...	503
Infectious disease	77
" " re faeces specimens	21
Keeping of animals, poultry and pigeons	47
Overcrowding	6
Offensive trades (a) Fish meal works	42
(b) Others	-
Outworkers (a) Foodstuffs	-
(b) Others	-
Places of entertainment	2
Public market stalls	729
Public conveniences	22
Re-visits to work ordered or in progress ...	296
Refuse Accommodation	192
Schools	-
Stables and piggeries	-
Smoke observations	11
Smoke abatement	21
Miscellaneous	676

Miscellaneous Acts and Orders:	
Caravan	41
Diseases of Animals (Waste Food)	2
Explosives	11
Factories	206
Scrap Metal Dealers	7
Food Hygiene	53
Noise Abatement	30
Pet Shops and Animal Boarding Establishments ...	8
Rent	2
Shops	9
Young persons employment	1
Clean Air	3
Offices, Shops and Railway Premises	333
Cleansing:	
Refuse collection and disposal	118
Street cleansing	522
Salvage	4
Housing and Public Health Acts:	
Houses inspected: (a) Under Public Health Acts...	179
(b) " Housing Acts... ...	190
(c) Prior to Removal	145
(d) Survey re Improvement Areas	1670
Re-inspections: (a) Under Public Health Acts...	117
(b) " Housing Acts... ...	68

The following table gives a classified list of the nuisances dealt with during the year:-

HOUSING:

External:

Drains cleansed or repaired	305
Soil pipes and vent. shafts repaired or renewed ...	2
R.W.P. and R.W.G. repaired or renewed	19
Waste pipes repaired or renewed	1
Yards paved or repaired	-
Yards walls repaired or rebuilt	2
House walls repaired or rebuilt	6
Roofs repaired and made weatherproof	28
Chimney stacks repaired or rebuilt	4
Houses provided with sanitary dustbins	277
Yards cleansed and accumulations removed	24
Balcony and balustrade repaired	1
Yard doors repaired	-

Internal:

Floors relaid or repaired	2
Sub-floor venilation improved	-
Walls and ceilings repaired or replastered ...	8
Defective stairs repaired	-
Handrails provided to stairs	-
Windows repaired or renewed	11
Doors repaired or renewed	-
New sinks or washbasins provided	-
Fireplaces repaired or renewed	1
Water supply pipes repaired or renewed	2
Houses cleansed, disinfected or disinfested ...	214
Cases of overcrowding abated	4
Dampness abated	4
Food stores provided	-
Baths provided	-

Back boilers renewed	-
Wash boilers repaired or renewed	-
Waterclosets:	
Structures repaired or rebuilt	1
Waterclosets cleansed or limewashed	2
Pedestals or seats renewed	-
Flush pipes repaired or renewed	-
Cisterns repaired or renewed	3
Lighting provided	-
Various:	
Conveniences separated for sexes	6
Washbasins provided, repaired or cleansed ...	2
Premises limewashed, tiled, painted or repaired...	30
Additional Sanitary Accommodation provided ...	-
Existing Sanitary Accommodation repaired or cleansed, etc. . Intervening ventilated space provided	49
Floors repaired	-
Food premises hygiene improved	12
" " floors repaired	-
" " other repairs	10
Accumulations removed	-
Smoke nuisance abated	-
Pet Animals Act, contraventions remedied	-

HOUSING

Number of new houses or flats erected during the year:

Total	157
(1) By the Local Authority	6
(2) By other bodies or persons	151

(1) Inspection of Dwelling-houses during the Year:

(1)(a) Total number of dwelling-houses inspected formally or informally for housing defects (under Public Health or Housing Acts)	706
(b) Number of inspections, formal or informal, made for the purpose	891
(2) Dwelling-houses unfit for human habitation and not capable at reasonable expense of being made fit.-	
(a) No. found during year	16
(b) No. (or estimated no.) at end of year ...	37
(3) No. of dwelling-houses found during the year to be not in all respects reasonably fit for human habitation but capable of being rendered fit	151

A. Houses Demolished In Clearance Areas.	Houses Demolished	Persons Displaced
(1) Houses unfit for human habitation	40	118
(2) Houses included by reason of bad arrangement etc.	-	-
(3) Houses on land acquired under Sect. 43 (2) Housing Act, 1957 ...	-	-
Not in Clearance Areas.		
(4) As a result of formal or informal procedure under Sect. 17 (1), Housing Act, 1957	-	-
(5) Local Auth. owned houses certified unfit by M.O.H.	-	-
(6) Houses unfit for human habitation where action has been taken under local Acts	-	-
(7) Unfit houses included in unfitness orders	-	-
B. Unfit Houses Closed.		
(8) Under Sect. 16 (4);17(1) and 35(1) Housing Act, 1957	-	-
(9) Under Sect. 17(3) and 26, Housing Act, 1957	-	-
(10) Parts of buildings closed under Sect. 18 Housing Act, 1957	-	-

C. Unfit Houses Made Fit and Houses in which Defects were Remedied	By Owner	By L.A.
(11) After informal action by L.A.	118	-
(12) After formal notice under		
(a) Public Health Acts	5	5
(b) Sects. 9 & 16, Housing Act, 1957	2	2
(13) Under Sect. 24 Housing Act, 1957	-	-

D. Unfit Houses in Temporary Use.	No. Houses	Separate Dwellings
(14) Retained for temporary accommodation		
(a) Under Sect. 48	-	-
(b) Under Sect. 17 (2) ...	-	-
(c) Under Sect. 46	-	-
(15) Licensed for temporary occupation under Sect. 34 or 53	-	-

E. Purchase of House by Agreement.	No. Houses	No. Occupiers
(16) Houses in Clearance Areas other than those included in confirmed clearance orders or compulsory purchase orders purchased in the year	-	-

Housing Act, 1949 - Improvement Grants etc:- Action during the year:	Private bodies or individuals		Local Authority	
	No. of Schemes	No. of dwelling houses or other buildings affected	No. of Schemes	No. of dwelling houses or other buildings affected
(a) Submitted by private individuals to local authority ...	3	3	-	-
(b) Submitted by local Authority to Ministry ...	-	-	-	-
(c) Finally approved by Ministry ...	-	-	-	-
(d) Work completed	3	3	-	-
(e) Additional separate dwellings included in (d) above...	-	-	-	-

House Purchase & Housing Act, 1959 - Standard Grants

Action during year:	No. of Schemes	No. of dwellings or other buildings affected
(a) Submitted to local authority ...	32	32
(b) Approved by local authority ...	32	32
(c) Work completed	31	31

OVERCROWDING

(4) Housing Act, 1957 - Overcrowding:-

(a) Number of new cases of overcrowding reported during the year 6

(b) (1) Number of cases of overcrowding relieved during the year 4

(2) Number of persons concerned in such cases ... 16

WATER SUPPLY

The water supply in the Borough is provided by the Fylde Water Board. The sources of the water are the Grizedale and Stocks reservoirs and the supplies from these reservoirs is augmented by boreholes at Garstang and Broughton. The water is highly potable and the average P.H. value during the year was 7.3 during the winter and 9.0 during the summer.

Samples are taken for bacteriological examination by the Fylde Water Board and the Health Department, these samples show that the water supply is most satisfactory.

The following are the results of samples taken during the year 1966.

Number of samples taken by Fylde Water Board ... 26
Number of samples taken by Health Department ... 12

All of these samples were satisfactory.

SWIMMING BATH WATER

The water for the Marine Pool is pumped in direct from the sea and subjected to continuous filtration by mechanical filters and then chlorinated. During the year, new pumps were fitted to the filtration plant. Regular tests were made during the summer months when the pool was in use to ensure that the amount of free chlorine was being maintained at a satisfactory level and, in addition, 24 samples were submitted for bacteriological examination. The results of these samples were as follows:-

Satisfactory ... 20
Unsatisfactory ... 4

6 samples were also taken from Rossall School swimming baths. The first three samples were below standard and advice was given with regard to maintaining a correct level of free chlorine. Subsequent samples were satisfactory.

DRAINAGE AND SEWERAGE

All premises within the Borough are drained by water carriage and the district is well provided with sewers. Sewage is carried by gravitation except for the Rossall area and a small area in Radcliffe Road both of which have to be pumped. There are pumping stations at Rossall Square, Rossall School, Rossall Beach and Wyre Street. In recent years the pump capacities have been increased and this has practically eliminated the possibility of sewers surcharging. Sewage is finally discharged into the sea via the modern pumping station on the West side.

OFFICES, SHOPS AND RAILWAY PREMISES ACT, 1963

TABLE OF REGISTRATION ETC.

Class of Premises	No. Registered during year	Total No. of Registered Premises at year end	No. of Premises receiving a General Inspection during year	No. Persons Employed in Registered Premises
Offices ...	1	67	18	444
Retail Shops	2	198	41	785
Wholesale Depts., Warehouses...	-	1	-	2
Catering Estabs.	2	35	18	351
Canteens ...	-	-	-	-
Fuel Storage Depots	-	-	-	-

The initial survey of registered premises was continued during the year and, in addition, revisits were carried out with regard to contraventions outstanding from earlier visits. By the end of the year, 86% of the registered premises within the Borough had been surveyed and all contraventions of the Act notified to the occupiers of premises.

During the year, 77 premises were surveyed comprising:-

18 offices

41 shops

- wholesale warehouses

18 catering establishments

in all, 317 visits were made to premises under the Act and 62 informal notices were served requiring the abatement of contraventions. The types of contraventions noted are shown in the following table:-

	Offices	Shops	Wholesale Premises	Catering Estabs.	Contra-ventions abated
Overcrowding ...	-	1	-	-	3
Temperature ...	3	27	-	7	55
Ventilation ...	-	9	-	-	37
Lighting ...	4	29	-	8	65
Sanitary Conveniences	2	19	-	5	45
Washing Facilities	-	9	-	15	31
Drinking Water...	-	-	-	-	-
Accommodation for Clothing ...	-	-	-	-	1
Floors, Stairs & Passages ...	-	6	-	6	27
First Aid ...	3	31	-	9	52
Seats for sedentary workers ...	1	-	-	-	5
Seats for non-sedentary workers ...	-	1	-	-	3
Dangerous Machinery	-	10	-	2	3
Abstract not exhibited ...	4	27	-	12	60
Cleanliness etc. of premises ...	-	4	-	3	19

The initial survey of registered premises should be completed during the next year, after which the position with regard to premises that have failed to register will be gone into.

Even during the comparatively mild winter this year it has been obvious that some premises are not sufficiently heated, and it will be necessary during any future spells of very cold weather to pay special attention to this point.

It has been found that during any modernisation schemes for shop fronts, the shop-fitters are either not aware of, or ignore, the requirements as to ventilation of shop premises, and the attention of shop keepers is drawn to this point when alterations are seen to be in progress.

It is felt that all accidents are not being notified. In an endeavour to encourage occupiers of registered premises to comply with the Act all communications are being stamped with a rubber stamp reproduced below:-

I M P O R T A N T

ALL ACCIDENTS INVOLVING
MORE THAN 3 DAYS ABSENCE
FROM WORK MUST BE REPORTED
ON FORM O.S.R.2.

MILK SUPPLY

THE MILK AND DAIRIES (GENERAL) REGULATIONS 1959

There are no milk bottling plants within the Borough, all milk is brought in to storage depots already bottled and ready for sale.

One complaint was received regarding the condition of a bottle in which milk was delivered and in this case a warning was given to the firm concerned.

The following table gives details of samples of milk taken for bacteriological examination during 1966:-

INSPECTION AND SUPERVISION OF MILK SUPPLY

(a) Samples for Biological Examination:-

		RESULTS		
	No. of Samples	Positive	Negative	No Result
Total Number submitted	6			
Results -				
(1) Tuberculosis ...		-	6	-
(2) Brucellosis - Ring Test		1	5	-
(3) " - Culture Test		-	6	-
(4) " - Biological Test		-	6	-

(b) Samples for Statutory Tests:-

		RESULTS		
	No. of Samples	Satis-factory	Unsatis-factory	Void Samples
Raw Milk:				
(i) Methylene Blue Test	6	5	1	-
Heat Treated Milk:-				
(i) Methylene Blue Test	26	26	-	-
(ii) Phosphatase Test	26	26	-	-
(iii) Turbidity Test	22	22	-	-

The 1 sample that failed the Methylene Blue Test was produced within the Borough. This case was referred to the Ministry of Agriculture, Fisheries and Food who are responsible for supervising milk production at farms.

FOOD SAMPLES

During the year, 33 samples of food were taken for bacteriological examination for the presence of food poisoning organisms. In cases where a high bacterial count was reported the premises were visited and the question of improved hygiene technique discussed. Further samples were taken and in all cases an improvement was effected.

The following is a list of the types of foodstuffs sampled:-

Pork Patties and Pork Pies	2
Cream Cakes...	1
Liquid egg	4
Turkey mould	2
Brawn...	1
Roast Beef	4
Roast Pork	1
Chicken and Ham Mould	2
Salmon Paste	1
Synthetic Cream Cakes	14
Glazing Jelly	1

MEAT AND OTHER FOODS. SLAUGHTERHOUSES

There are no slaughterhouses in the Borough, all butcher meat being brought in from other districts.

INSPECTION OF FOOD PREMISES

Routine visits to food premises continued during the year - in all 744 inspections were made. Food hygiene inspections were, where possible, co-ordinated with inspections under the Offices, Shops and Railway Premises Act, and the work of compiling a new register of food premises within the Borough was started. A detailed survey of fish premises was carried out and contraventions of the Food Hygiene Regulations notified to the occupiers. During these visits advice was readily given by the Public Health Inspectors on the provisions of the Regulations.

Visits to food premises during the year 1966 -

Bakehouses	33
Fish curing houses	317
Fish hawkers	10
Fish-friers premises	17
Food Inspection	73
Grocers	16
Hotels, Boarding Houses, Clubs, Flatlets	7
Ice Cream premises	151
Meat shops	16
Milk (a) Dairies and milkshops...	23
(b) Vehicles	-
Other travelling foodshops	6
Other food premises...	43
Restaurants, Canteens, Snack-bars and Licensed Premises	32
Sampling: (Food	33
(Ice cream; bacteriological	86
(Milk; bacteriological	54
(tuberculosis	6
(Sewage pollution	-
(Shell-fish; bacteriological	5
(Swimming bath water; bacteriological .	30
(Water; bacteriological	12
(chemical	-

FOOD CONDEMNED DURING THE YEAR

Seventy-three visits were made for the purpose of examining and where necessary condemning, foodstuffs during the year. In all cases where food was found on inspection to be unsound, the food was voluntarily surrendered and so the question of legal action did not arise.

The following table gives details of food condemned in 1966:-

	lbs.		lbs.
Beef	648	Tinned Meat	389¾
Potatoes	616	" Fruit	178
Cauli.Heads (Frozen)..	620	" Vegetables ...	70¼
Ice Cream Products ...	57	" Soup	2
Flour	100	" Milk	19½
Mixed Fish and Fish Products...	6923	" Fish	12¼
		" Pudding	8½
Tinned Jam and Marmalade	3	Miscellaneous	3

TOTAL 4 ton 6 cwt. 0 qrs. 18 lbs.

Condemned food, other than fish is removed and destroyed by the Health Department. Condemned fish is removed to the Fish Meal Works to be processed into fertilizer.

ICE CREAM

FOOD AND DRUGS ACT, 1955 - SECTION 16

THE ICE CREAM (HEAT TREATMENT ETC.) REGULATIONS, 1959

ICE CREAM

A total of 85 premises are registered for the manufacture or sale of Ice Cream within the Borough, in addition, three vehicles are registered under the Lancashire County Council (General Powers) Act, 1951, for the sale of ice cream. These are as follows:-

Manufacturers	5
Retailers	77
Ice Cream Vehicles ...	3
Total ...	85

Visits to ice cream premises in 1966 141
Samples taken for bacteriological examination ... 86

Results of samples taken for bacteriological examination:-

No. of Samples Taken	Methylene Blue Test		Ministry of Health Provisional Grades			
	Satis.	Unsatis.	1	2	3	4
86	78	8	64	14	6	2

Grade 1 and 2 - satisfactory (90.7%)
Grade 3 and 4 - unsatisfactory (9.3%)

DISEASES OF ANIMALS (WASTE FOOD) ORDER 1957

There is now only one plant within the Borough where waste food is boiled for the feeding of pigs. This marked reduction follows a general decrease in the number of piggeries in use coupled with the closing down of the piggeries in Sidings Road.

Existing plants licensed and still operative ... 1
Plants previously licensed now found to be no longer in use ... -
Plants found to be in use and not previously licensed and for which licenses have been issued-

FOOD AND DRUGS ACT, 1955

By the courtesy of the Lancashire County Council, the following particulars of the samples taken by the County Sanitary Officer under the Food and Drugs Act, in Fleetwood during the year 1966, are given:-

Description of samples	No. Samples taken	Description of samples	No. Samples taken
Whole red pepper	1	Orange crush	4
Sauce	1	Ice-cream	5
Jam	1	Soft drink crystals . .	1
Pickles	1	Cooking fat	1
Condensed milk	1	Coffee	1
Tea	2	Saccharin tablets . . .	1
Mint	1	Salad dressing	2
Sugar	1	Penicillin tablets . . .	1
Vitamin and mineral food	1	Swiss roll, part . . .	1
Fish, canned	3	Cheese	1
Butter	1	Ice cream, cold mix . .	1
Lard	3	Soft drink powder . . .	1
Vinegar	1	Full cream milk, dry . .	1
Bread sauce mix	1	Caster sugar	1
Macaroni	1	Mint jelly	1
Mushrooms in brine . . .	1	Beer	1
Fruit, canned	3	Margarine	1
Dried parsley	1	Fruit, dried	3
Vegetables, dried . . .	1	Cake decorations, edible	2
Sago	1	Coffee extract, dry . .	1
Semolina	1	Savoury biscuits	1
Mustard compound	1	Plum pudding	1
Meat, canned	3	Sage and onion stuffing.	1
Pickles	1	Soft drink, canned . . .	1
Hot dogs	1	Arrowroot B.P.C.	1
Table jelly	3	Boric acid ointment . .	1
Honey	2	Throat lozenges	1
Noodles & meat with sauce, canned . . .	1	Meat & vegetables, canned	1
		Milk	54

All samples with the exception of 4 were genuine. The unsatisfactory samples were:-

Noodles & meat with sauce, canned	Poor in meat content.	No action taken.
Orange Crush	Contained 20 milligrams of volatile hydrocarbon of nature of paraffin in the contents of the bottle and the Sealing ring to the plastic cap.	Complainant informed and bottlers cautioned.
Swiss Roll, Part	Contained 26 dead black ants which had not been baked into the roll.	Retailer cautioned (insufficient evidence to prosecute)
Informal milk	Freezing point indicated the presence of 5.6% extraneous water.	Vendor notified.

DISINFESTATION

The Health Department provides a disinfestation service for the destruction of insect pests of all kinds. In addition to the treatment of houses and buildings, bedding and furniture can be treated at the Health Department in the formaldehyde gas disinfector.

The following table shows the number of infested premises treated, together with the types of infestation.

PREMISES	TYPE OF INFESTATION					
	Bugs	Fleas	Ants	Cockroaches	Flies	Others
Houses - Council	-	5	49	112	-	5
Houses - Privately Owned	-	5	13	84	-	1
Business and other Premises	3	1	4	4	-	3
TOTALS	3	11	66	200	-	9

The cockroach is still the most common insect pest within the Borough and, during the year, a great deal of time was devoted to giving systematic block treatments to clear houses of these pests. During the summer months, ants inside houses give rise to a good number of complaints, particularly in houses with solid floors. These pests are particularly difficult to deal with and usually require long and patient treatment.

PREVENTION OF DAMAGE BY PESTS ACT, 1949

The Department employs one full-time trained Rodent Operator. The Department van driver and one of the men employed on the refuse tip are also trained in this work and, when necessary, can be employed in rodent control.

The following table shows the number and type of premises inspected and treated:-

Number of properties in district:-

Non-agricultural - 10,266

Agricultural - 4

	Type of Property				
	Local Authority	Dwelling houses including Council houses	All other including Business Premises	Total of Columns 1,2 & 3	Agricultural
Properties inspected as a result of					
(a) Notification	4	96	31	131	-
(b) Survey under the Act	-	22	13	35	3
(c) Otherwise (e.g. when visited primarily for some other purpose)	-	-	144	144	-
Total inspections carried out including reinspections	4	118	188	310	3
No. of properties inspected which were found to be infested by:					
Rats ... Major	-	3	16	19	-
Minor	-	22	7	29	3
Mice ... Major	-	19	5	24	-
Minor	4	74	10	88	-
No. of infested properties treated by L.A.	4	118	38	160	3
Total treatments carried out including re-treatments	4	118	38	160	3

SEWER TREATMENT

Late in the year, a survey of the sewers in an area in the older part of the town was carried out. 121 manholes were test baited and takes were recorded in 16 instances. The infested manholes, along with 20 in close proximity, were treated with flouracetamide. This small sewer infestation is most unusual within the Borough of Fleetwood. In the past, the surcharging of the sewers has prevented rodent infestation of the sewers from taking place. Improvements in the sewer pumps in recent years have obviously reduced surcharging to the extent that it is possible for rats to establish themselves. This situation will have to be watched very carefully in future years.

The survey showed that 13% of the manholes in the area were infested with rats and this necessitated the treating of 29.7% of the manholes.

FACTORIES ACT, 1961

Part 1 of the Act

During the year, a routine survey of Factories within the district was carried out and a new Factories register compiled. Where necessary, notice was given with regard to contraventions of the Act and Regulations.

(1) Inspections for purposes of provisions as to health:-

Premises	No. on register	Number of Inspections	Written notices	Occupiers prosecuted
(i) Factories in which Sections 1,2,3,4 & 6 are to be enforced by Local Authorities	10	10	-	-
(ii) Factories not included in (i) in which Section 7 is enforced by the Local Authority	140	396	8	-
(iii) Other premises in which Section 7 is enforced by the Local Authority	-	-	-	-
Total	150	406	8	-

(2) Cases in which defects were found:-

Particulars	Found	Remedied	Referred to H.M. Inspector	Referred by H.M. Inspector	No. of cases in which prosecutions were instituted
Want of cleanliness	41	41	-	-	-
Overcrowding ...	-	-	-	-	-
Unreasonable temperature ...	-	-	-	-	-
Inadequate ventilation ...	-	-	-	-	-
Ineffective drainage of floors ...	-	-	-	-	-
Sanitary conveniences:					
Insufficient ...	-	-	-	-	-
Unsuitable or defective ...	30	30	-	-	-
Not separate for sexes	-	-	-	-	-
Offences against the Act	-	-	-	-	-
Total...	71	71	-	-	-

Part VIII of the Act

OUTWORK

The outwork consists mainly of the manufacture of nets, other than wire nets and, according to the returns in the August lists, 18 outworkers were engaged in this trade. There were no cases of default in sending in lists and accordingly no prosecutions.

No work took place in unwholesome premises.

CARAVAN SITES AND CONTROL OF DEVELOPMENT ACT, 1960

There are 4 licensed caravan sites within the Borough, 3 of these sites are holiday caravan sites and one farm site for one caravan only is a permanent residential site. The holiday caravan sites have become one of the features of the town and operate from April 1st each year until October 31st. The 3 holiday sites are licensed for 900, 409 and 9 caravans respectively and due regard has been given to the Model Standards prescribed by the Ministry of Housing and Local Government when licence conditions were drawn up.

SHOPS ACT, 1950

During the year, 9 visits were made to shop premises under the above Acts.

HALF-HOLIDAY AND CLOSING ORDERS

The Shops (Early Closing Day) Act, 1965 is now in force. Under the provisions of this Act, shopkeepers are no longer confined to a fixed early closing day but can select any week day. As Fleetwood is a seaside resort, there is in force the usual seasonal extension of hours order which applies to those shops on the seaward side of the Esplanade.

P U B L I C C L E A N S I N G S E R V I C E

REFUSE COLLECTION, REFUSE DISPOSAL AND STREET CLEANSING

YEAR ENDING 31st MARCH, 1967

SERVICES PROVIDED BY THE CLEANSING DEPARTMENT

1. Collection and disposal of house refuse.
2. Collection and disposal of trade refuse.
3. Street gully emptying.
4. Street cleansing.
5. Cleansing of certain public conveniences.

VEHICLES

There are fourteen vehicles employed in connection with refuse collection and street cleansing.

Vehicle	No.	Type	Duties
Dennis	4	"Paxit"1 & 3a rear loading compression type vehicles.	House refuse collection.
Dennis	2	Side loader.	Trade refuse collection.
Dennis	1	Combined side loader and gully emptier.	Gully emptying. Trade refuse collection.
Weatherill Hydraulic Shovel	1	Tractor excavator.	Refuse tip levelling. Clearing sand. General loading.
Harbilt Electric	4	Street orderly trucks.	Street cleansing.
Morris	1	15 cwt. van.	Emptying litter bins. Collecting trade refuse etc.(part-time use only)
Lewin Mechanical Orderly	1	Mechanical Road Sweeper.	Street Cleansing

REFUSE COLLECTION

The town continues to expand with various developments, particularly on the West Side and at the caravan sites. The character of refuse has also greatly changed with the years, becoming increasingly lighter and bulkier as more and more paper is used in packaging household goods. The modern trend towards labour saving methods of house heating by gas, electricity and oil is accompanied by an increase in the amount of refuse to be removed as less paper and other refuse can be burned on the traditional open fires. Quite apart from changes in the character of refuse, much greater quantities of refuse are produced by our modern affluent society. The necessity for making special collections has become greater in recent years. Household articles such as furniture etc. that not many years ago would have had a second hand value are today put out as refuse. In the Borough of Fleetwood, these special collections are given free of charge. The variety of articles involved are shown in the following table:-

Household Articles Removed by Special Collection During 1966

3 pce. suites	67
Bedroom suites	1
Beds, Mattresses etc.	311
Wardrobes	5
Pianos	21
General old Furniture	202
Cookers	19
Fireplaces	21
General Rubbish	239
Coal bunkers	5
Perambulators and Bicycles ...	33
Miscellaneous Household effects	85
* Garden refuse	45
* Rubble and Building Material...	47
Water tanks	4
Sinks	8
Toilets	3
Baths	4
TOTAL	1120

* A charge is made for the removal of these items.

The following table gives details of refuse removed:-

Year	Dustbins Emptied	Loads house refuse removed	Loads trade refuse removed
1961/62	528,303	2,741	2,378
1962/63	536,941	2,940	2,543
1963/64	539,736	2,951	3,110
1964/65	541,384	2,796	3,346
1965/66	549,260	2,629	2,677
1966/67	561,927	2,246	2,585

The weight of refuse has been computed in accordance with the Ministry of Housing and Local Government costing return, seaside towns, at 18.4 cwts. per 1,000 population per day.

CLEANSING SERVICE

Table showing Costs for the year ending 31st March, 1967

Item	Particulars	Refuse Collection and Disposal			Street Cleansing		
		£	s.	d.	£	s.	d.
1	Gross Expenditure	36,277	0	0	12,437	0	0
2	Gross Income	6,366	0	0	-----		
	Net Costs ...	29,911	0	0	12,437	0	0
3	Net cost per 1,000 houses or premises ...	2,778	0	0	-----		
4	Net cost per 1,000 population	1,048	0	0	394	0	0
5	Net cost per ton	3	2	6	-----		
6	Net cost per 1,000 street gullies cleansed	-----			91	0	0
7	Net cost per street mile cleansed ...	-----			234	0	0
8	Net cost equivalent rate in £			8.3			3.4

SALVAGE DISPOSED OF

BETWEEN 1st APRIL, 1966 and 31st MARCH, 1967

	Tons	Cwts.		Value
Waste Paper	533	16	-	£4,604
Textiles ...	11	-	-	£121
Metals ...	-	16	-	£81
Totals ...	545	12	-	£4,806

REFUSE DISPOSAL

Refuse is disposed of by controlled tipping. Tipping is carried out on the marsh on the East side of town. Regular treatments are given for the prevention of rats and insects on the tip and every effort made to prevent nuisance. Fleetwood is fortunate in that it has approximately 125 acres of tipping land for future use.

STREET CLEANSING

The methods of street sweeping employed are hand sweeping in conjunction with pedestrian controlled electric street orderly trucks and mechanical street sweeping with a mechanical sweeper.

During the summer season, the lower promenade is swept daily and the beach cleared of litter. A task that has to be dealt with all the year round is the clearing of blown sand which can block the Esplanade very quickly during a gale.

The greatest part of the work in connection with street cleaning is still carried out by hand, despite the fact that mechanical sweepers are both efficient and economic in use. The reason why such an amount of hand sweeping is still necessary can be explained by one word "Litter". Hand sweepers spend most of their time picking up the litter so thoughtlessly dropped by the public. If no litter were dropped at all, street sweeping costs could be cut by more than half.

GULLY EMPTYING

Street gullies are cleaned by a vacuum gully emptier. The number of street gullies cleaned was 12,862.

PUBLIC CONVENIENCES

The following public conveniences were cleaned each day, including Sunday, by the Cleansing Department.

Bold Street ; Public Market, Adelaide Street (Men Only) ; Preston Street ; Ash Street and Lindel Road.

Automatic Hand Washers and driers are available at the Bold Street ladies and gents conveniences free of charge.

PORT HEALTH REPORT

SECTION I. - STAFF

Table A

PORT MEDICAL OFFICER

and

MEDICAL OFFICER OF HEALTH, BOROUGH (Part Time)

Dr. J.E. Morris, B.Sc.,M.B.,B.C.H.,D.C.H.,D.P.H.,D.I.H.
(Appointed 17th August, 1965)

DEPUTY PORT MEDICAL OFFICER (Part Time)

Dr. E.A.R. Berkley, T.D.,M.R.C.S.,L.R.C.P.
(Appointed 1st October, 1965)

CHIEF PORT HEALTH INSPECTOR

and

CHIEF PUBLIC HEALTH INSPECTOR, BOROUGH

D.R. McCulloch (Appointed 1st May, 1960)
Cert of R.S.A.S.,
Cert. Meat & Foods R.S.H.,
Cert. Smoke Inspection, R.S.H.

ASSISTANT PORT HEALTH INSPECTOR

J. Mitchell (Appointed 1st April, 1947)
Cert. R.S.A.S.,
Cert. Meat & Food, R.S.A.S.

ASSISTANT PORT HEALTH INSPECTOR (Part Time)

and

PUBLIC HEALTH INSPECTOR, BOROUGH

H. Farrer (Appointed 1st March, 1953)
Cert. S.J.B.,
Cert. Meat & Food R.S.H.,
Cert. Smoke Inspection R.S.H.

Section II. - Amount of Shipping entering the Port Health District during the year 1966

Table B.

Vessels		Number	Tonnage	Number Inspected		Number of Ships Reported as Having or Having Had During the Voyage, Infectious Disease on Board	
				By the Medical Officer of Health	By the Health Inspector		
Foreign	(Motor	55	15,585	-	6	-	-
	(Fishing	10	456	-	-	-	-
Total Foreign		65	16,041	-	6	-	-
Coastwise	(Motor	232	30,556	-	4	-	-
	(Fishing	1874	162,635	10	331	-	-
Total Coastwise		2106	193,191	10	335	-	-
Total Foreign and Coastwise		2171	209,232	10	341	-	-

SECTION III - CHARACTER OF SHIPPING AND TRADE DURING THE YEAR

Table C.

Fleetwood is principally a fishing port and, during the year, 79 fishing trawlers operated from the port. Fish was landed mainly from the West Coast and Iceland fishing grounds.

During the year, 60 cargo vessels entered the port with a variety of materials as per list hereunder:-

Commodity	Country of Origin
Carbide	Poland
Carbide	Belgium
Carbide	Yugoslavia
Carbide	United Kingdom
Carbide	France
Timber	Portugal
Building Materials and General Cargo	United Kingdom
Synthetic Resin ...	France
N. Paraffin ...	Germany
N. Paraffin ...	Belgium
N. Paraffin ...	Holland

Also during the year the Coastwise trade included 125 vessels which brought oil into the Port and 80 vessels which carried commodities from the Port, included in the latter were:-

Nitro Chalk.
Caustic Soda Liquor.
Cereclor.
Trichloroethylene.
Chlorobenzene.
Building materials and general cargo.

SECTION IV. - INLAND BARGE TRAFFIC

N I L

SECTION V. - WATER SUPPLY

The fresh water supply of the port, and for shipping, is derived direct from the mains of the Fylde Water Board.

Examination of samples of water from the Dock show that this water is not suitable for the washing of fish or fish boxes, or any receptacles or utensils which come into contact with fish.

The sampling of drinking water on fishing vessels and other ships continued during the year. The code of practice to be followed when filling tanks and handling drinking water hoses and the system of tank chlorination, were adhered to:-

Number of Samples Taken	Satisfactory	Unsatisfactory
174	157	17 = 9.77%

In all cases where unsatisfactory water samples were obtained, the water storage tanks were sterilised by chlorination and repeat samples taken until satisfactory reports were received.

There are no Water Boats at this port.

SECTION VI. -PUBLIC HEALTH (SHIPS) REGULATIONS, 1966

(1) List of Infected Areas.

A list is received weekly of infected areas, and, when necessary, a copy is forwarded to the local Customs and Water Guard Officers.

(2) RADIO MESSAGES

Facilities are available for radio messages to be sent to, or received from, ships outside the port, via Seaforth radio.

(3) NOTIFICATION OTHERWISE THAN BY RADIO

The Medical Officer of Health or Port Health Inspector is notified by the Harbour Authorities or Customs Officers of any illness that occurs on any vessel entering the Port. The telegraphic address to the Port Health Authority is "Portelth, Fleetwood".

(4) MOORING STATION

The mooring station for vessels found to be infected with plague, cholera or yellow fever has been fixed at a position in the River Lune, Wyre Lighthouse, bearing 192°, distant 9½ cables.

A mooring berth, within the harbour area, for suspected or infected ships, has been fixed at No. 6 Coaling Berth within the Fish Dock.

Standing exemption, provided the answers to questions 1, 2 and 3 in the Declaration of Health are in the negative and the ship has not called at an infected port or seaboard, is granted in respect of the following notifiable diseases -

Acute polio-encephalitis

Cerebro-spinal-meningitis (cerebro-spinal fever)

Continued fever

Dysentery

Epidemic infantile paralysis (acute poliomyelitis)

Encephalitis lethargica

Erysipelas

German measles

Measles

Pneumonia (primary or influenzal)

Relapsing fever

Scarlet fever

Tuberculosis (all forms)

Typhoid fever (enteric fever)

Owing to the small number of vessels arriving from foreign ports, no difficulty is experienced in carrying out the provisions of Article 16 of the Regulations.

(5) (a) HOSPITAL ACCOMMODATION FOR INFECTIOUS DISEASE

There is an arrangement with the Liverpool Hospital Authority for the admission to their hospital of certain specific cases of tropical disease, occurring on vessels.

Other infectious cases requiring admission to hospital come under local arrangements.

(b) SURVEILLANCE OF CONTACTS

The contacts of any infectious disease case are kept under observation by the Health Officers of the Local Authority.

(c) CLEANSING AND DISINFECTION OF SHIPS, PERSONS ETC.

A vapour gas disinfector is provided by the Local Authority for disinfecting clothing and bedding. Facilities also exist for the cleansing of persons, and also for the disinfection of ships.

SECTION VII. - SMALLPOX

(1) Any case of smallpox would be admitted to Ainsworth Smallpox Hospital, Nr. Bury, the accommodation reserved for smallpox by the Manchester Regional Hospital Board.

(2) Arrangements for the transport of smallpox cases from the quayside to Ainsworth Hospital would be made by the Lancashire County Council Ambulance service. Fleetwood Port Health Authority would carry out all necessary vaccinations and see to their quarantine arrangements.

(3) The smallpox consultants available are as per the Ministry of Health panel for Manchester Regional Hospital Area, No. 13.

(4) Facilities for the laboratory diagnosis of Smallpox are available at the Public Health Laboratory, Monsall, Manchester.

SECTION VIII. - VENEREAL DISEASE

Treatment is arranged for venereal disease at the Special Treatment Clinic, Blackpool; and the Royal Infirmary, Preston, at special sessions.

SECTION IX. - CASES OF NOTIFIABLE AND INFECTIOUS DISEASE ON SHIPS

No case of notifiable or infectious disease occurred on any vessel entering the port during the year.

SECTION X. - MALARIA IN SHIPS

No cases of malaria occurred on any ship entering the port during the year.

SECTION XI. - PLAGUE IN SHIPS

No case of plague or suspected plague occurred on any ship entering the port during the year.

SECTION XII. - MEASURES AGAINST RODENTS

No action was necessary against rodents in any foreign ships entering the port during the year.

It was necessary to treat one fishing trawler only for rats during the year.

If necessary, facilities are available for the bacteriological examination of rats.

LOCAL MEASURES AGAINST RODENTS

The work of rodent repression in the Dock Estate has only recently been taken over by the Public Health Department from the British Transport Docks Board. During June and July, several heavy infestations of rats were discovered by survey and treated.

SECTION XIII. - INSPECTION OF SHIPS FOR NUISANCE

TABLE G. INSPECTIONS AND NOTICES

Nature and Number of Inspections		Notices Served Statutory	Notices Served Other	Result of Serving Notices
Crew's quarters requiring cleansing, painting etc.	2	-	-	
Crew's quarters damp from leaky deck, broken or defective light, etc.	-	-	-	
Dirty companionways...	5	-	-	)
Dirty food lockers and pantries...	-	-	-	)
Dirty Fish Rooms	27	-	-	) In all cases
Defective galley pump	1	-	-	) defects were
Defective ventilators	-	-	-	) remedied after
Fresh water tanks cleansed	17	-	-	) verbal intimation
Vessels infested with rats	1	-	-	) to various
Defective waste pipe to galley sink	-	-	-	) owners.
Vessels fumigated	6	-	-	)
Dirty bunks and bedding	3	-	-	)
Dirty galleys...	12	-	-	
Dirty Cooking utensils	1	-	-	
Defective Water Closets	2	-	-	
Total	77	-	-	

SECTION XIV. - PUBLIC HEALTH (SHELL FISH) REGULATIONS, 1934 & 1948

All of the shell-fish beds within the jurisdiction of the Port Health Authority are liable to pollution. Notices are exhibited prohibiting the taking of shellfish from these beds for human consumption. A local order was made in 1939, closing all shell fish beds, within the port health area. Samples of shellfish are taken at regular intervals and sent for bacteriological examination, five such samples taken during the year showed sewage contamination.

SECTION XV. - IMPORTED FOOD REGULATIONS

According to the figures given by the Ministry of Agriculture and Fisheries, the weight and values of fish landed at Fleetwood during the year were as follows:-

	1966	
	Values £	Weight cwts.
Wet fish ...	4,109,713	875,675
Shell-fish ...	23,201	2,944
	4,132,914	878,619

The port is one of the country's leading fishing ports, large quantities of fish are landed daily and all fish is inspected after landing. The Port Health Inspector's time is largely taken up with this important work. A good spirit of co-operation has been built up between the fishing industry and this department and, as a result, on no occasion was it necessary to make application for a warrant or an order from a Justice in order to enforce the requirements of the Regulations.

The amount of fish surrendered during the year was 17,335 cwts. 1 qr.

The following table gives the weight of fish landed and rejected under the Public Health (Imported Food) Regulations each year from 1957 to 1966 inclusive:-

Year	Weight landed	Weight rejected		
	cwts.	cwts.	qrs.	lbs.
1957	1,236,895	10,735	2	0
1958	1,222,525	7,483	0	0
1959	1,069,038	9,901	2	0
1960	952,084	9,358	2	0
1961	857,040	9,043	1	0
1962	920,104	13,724	2	0
1963	894,903	13,621	0	0
1964	904,778	16,670	1	0
1965	937,069	16,050	0	0
1966	875,675	17,335	1	0

The following is a list of the various kinds of fish rejected under the unsound food regulations as unfit for food and sent to the local fish meal works for disposal:-

	Cwts.	Qrs.
Bream	165	3
Bergylt	429	3
Brill	-	-
Catfish	689	1
Cod	3862	2
Coalfish	3459	3
Dogfish	116	2
Dabs	71	1
Eels	1	1
Forked Hake	7	2
Gurnards...	40	1
Haddocks...	4715	1
Halibut	57	2
Hake	89	0
Herring	-	-
Lemon Soles	811	3
Ling	37	1
Mackerel...	10	-

	Cwts.	Qrs.
Megrims	36	3
Mixed fish...	522	2
Monkfish	-	-
Plaice	1646	1
Pollack	2	0
Roes	206	-
Roker	203	2
Shellfish	2	3
Skate	1	-
Soles	5	2
Torsk	5	-
Whiting	134	3
Witches	4	3
	17335	1

PREMISES ON HARBOUR AND DOCK

During the year, 1069 visits were made to various premises, which included visits to the fish meal and oil works (38), and 18 visits under the Food Hygiene Regulations.

The following table gives the number of instances in which nuisances or defects were found:-

Dirty conveniences	59
Defective conveniences	22
Choked drains	116
Accumulations	57
Portion of fish stage not properly cleansed	19
Defective rain-water pipes	49
Dirty floors	41
Premises requiring limewashing	16
No hot water supply to wash hand basin ...	1
	380

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